

Check Your Building — *Detailed checklist*

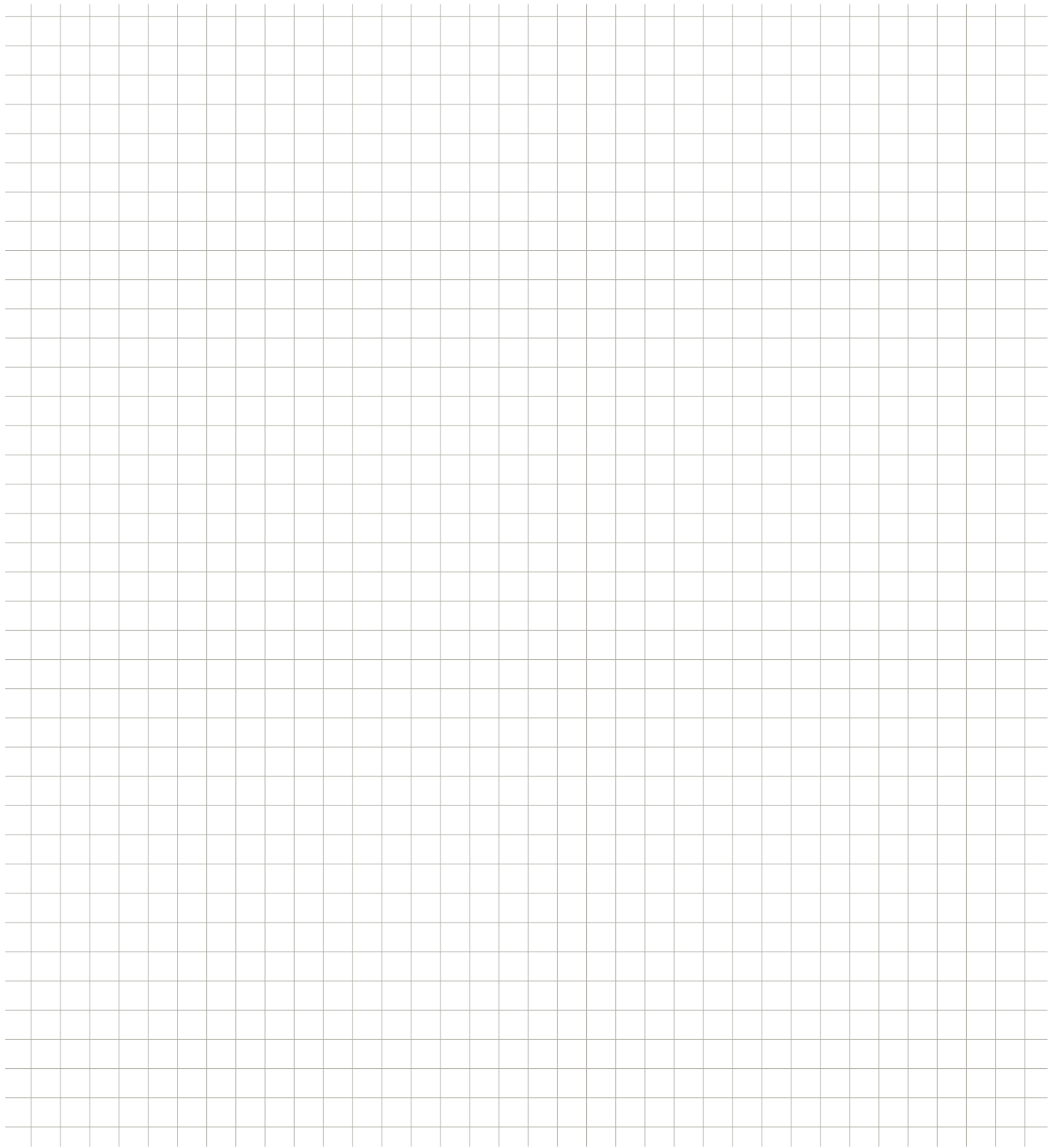


Content

This checklist is based on the research report: '*D.6.2 Robust Internal Thermal Insulation of Historic Buildings*', which can be found on www.ribuild.eu. Print this checklist and note your observations and measurements for each question to perform a visual inspection of your building before applying internal insulation.

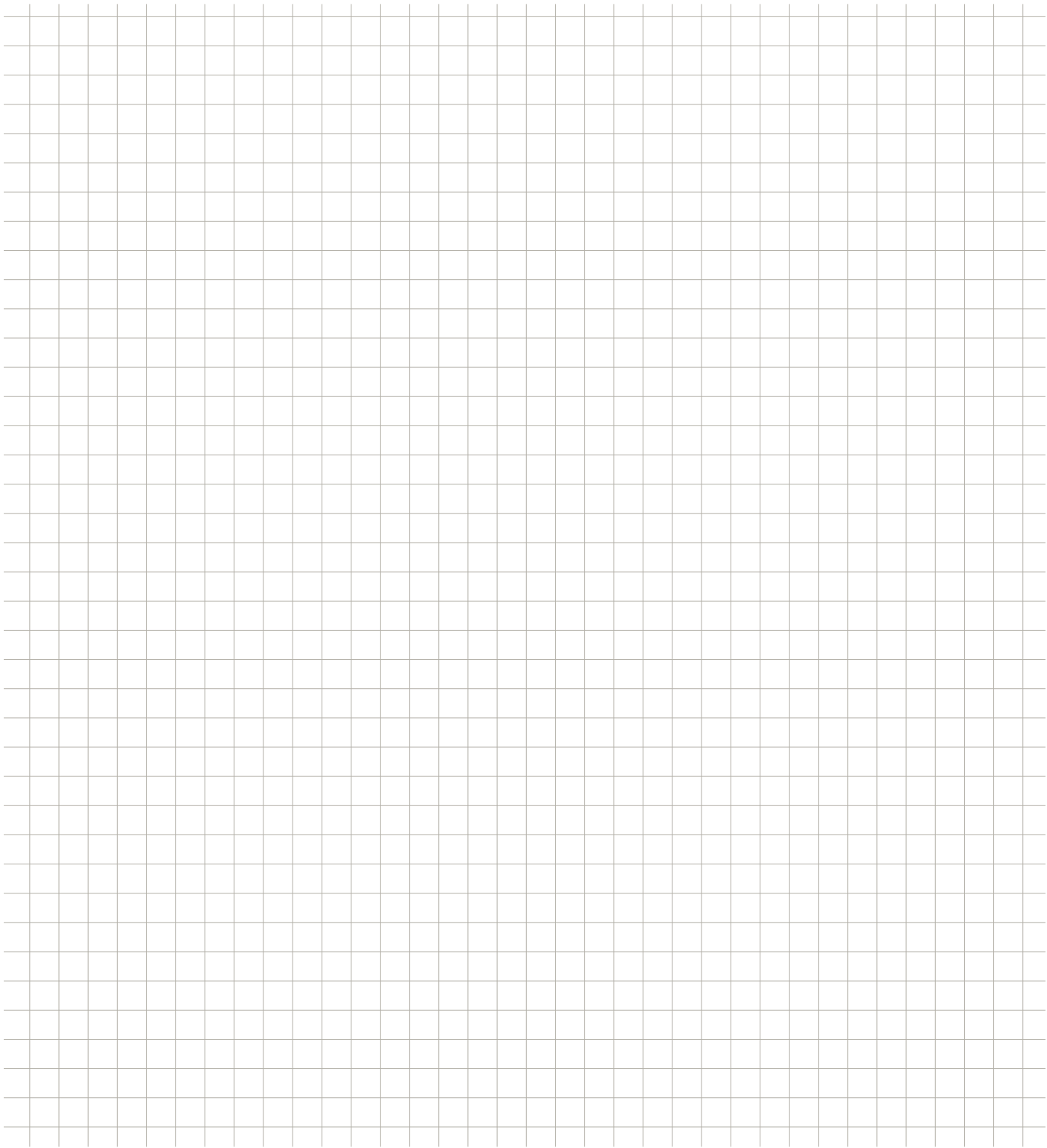
Reminder to use photo documentation during your building inspection.

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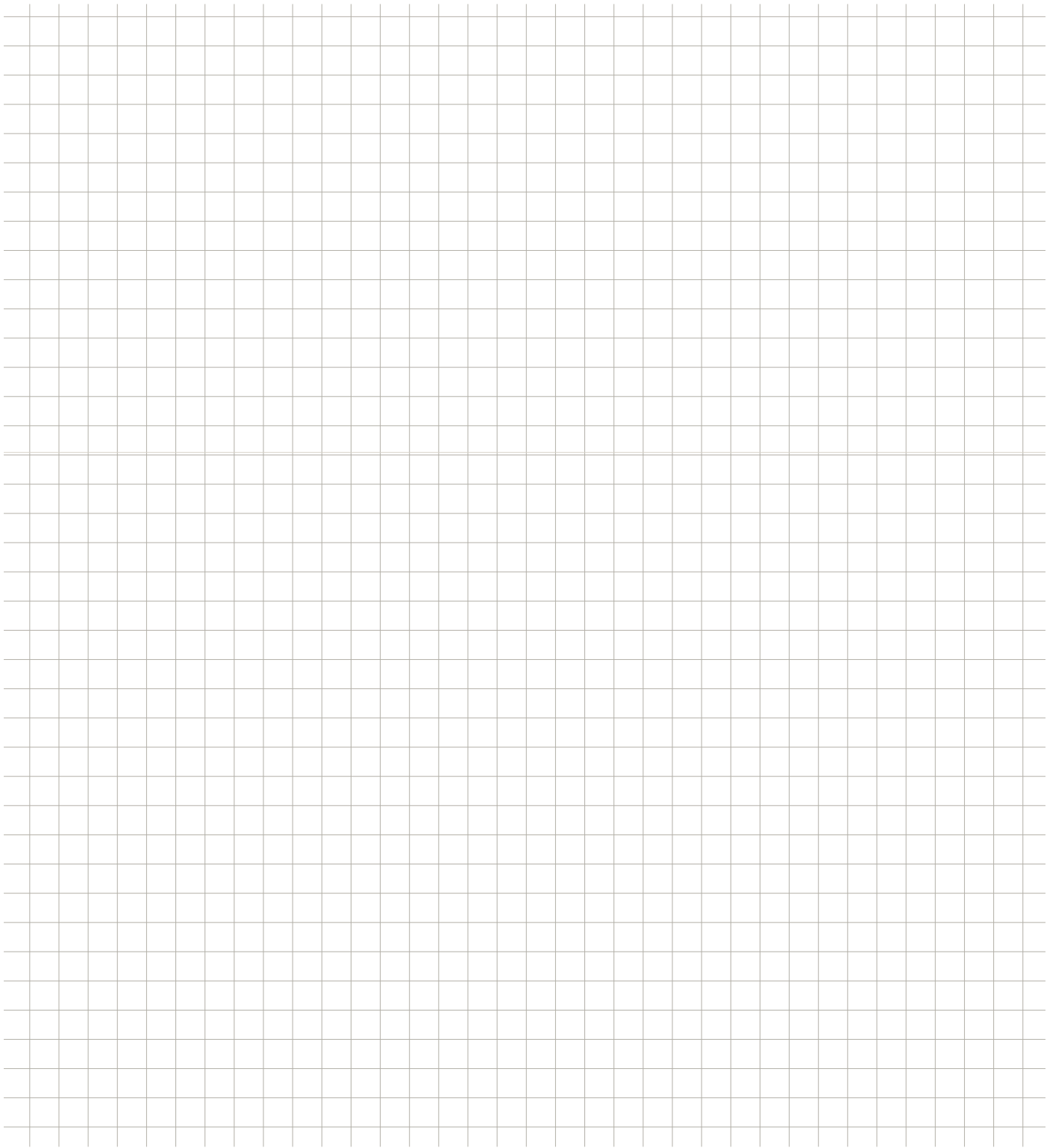
Walls in contact with ground / base area

1. How are the design and condition of the splash water area and level access?
2. Is there any visible groundwater or surface water discharge?
3. What is the groundwater depth?
4. Are there visible waterproofing levels against rising damp (e.g. horizontal barrier, vertical waterproofing and possibly existing protective layers)?



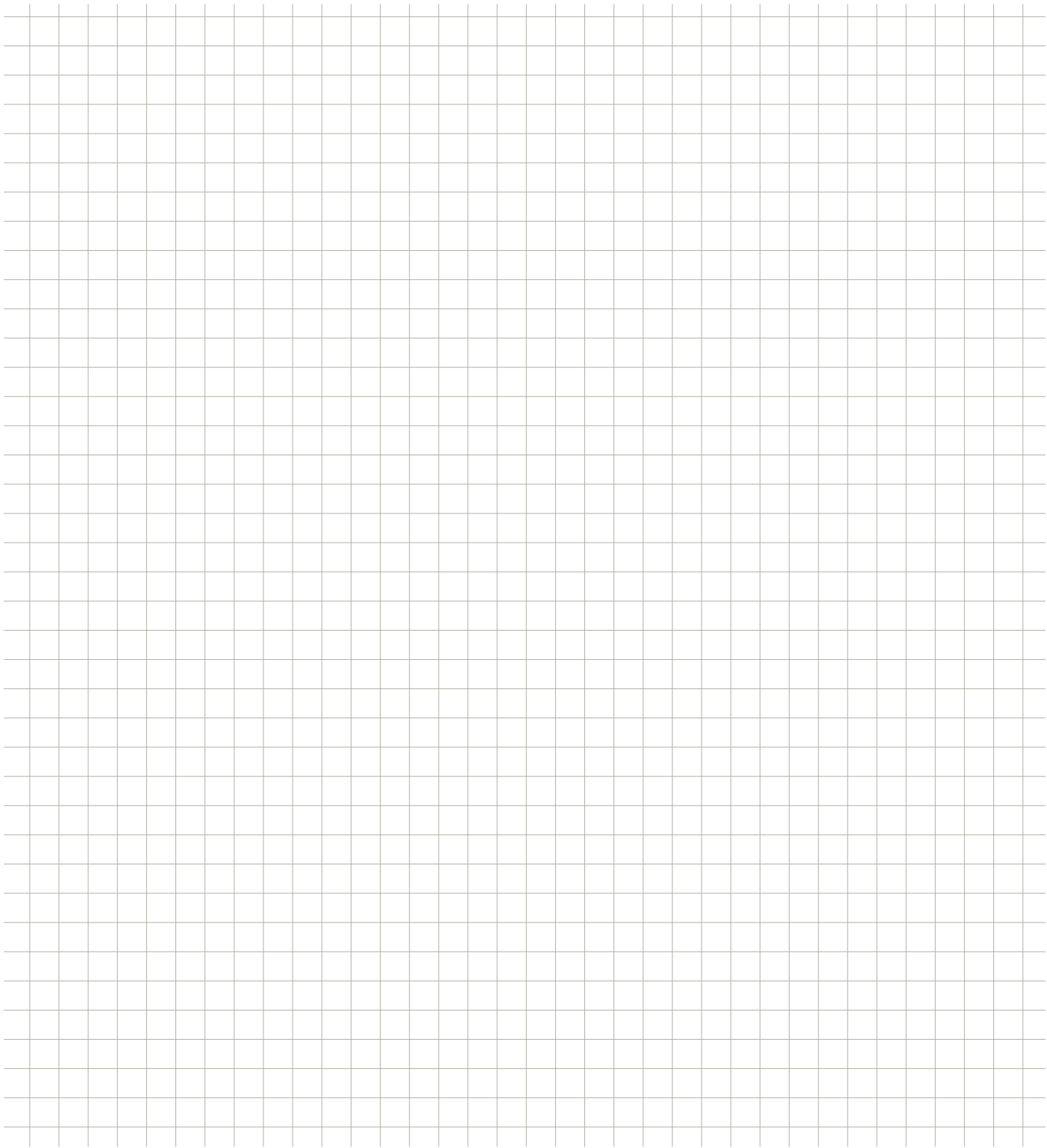
Facades # 1

1. What materials are the façade made of? (plaster, brick façade, natural stone, half-timbered, wood, concrete, etc.)
2. Describe the wall structures - layers, thicknesses, materials etc.
3. Does the wall structure contain cavities, and to what extend? (possibly supplemented by endoscopic examinations)



Facades # 2

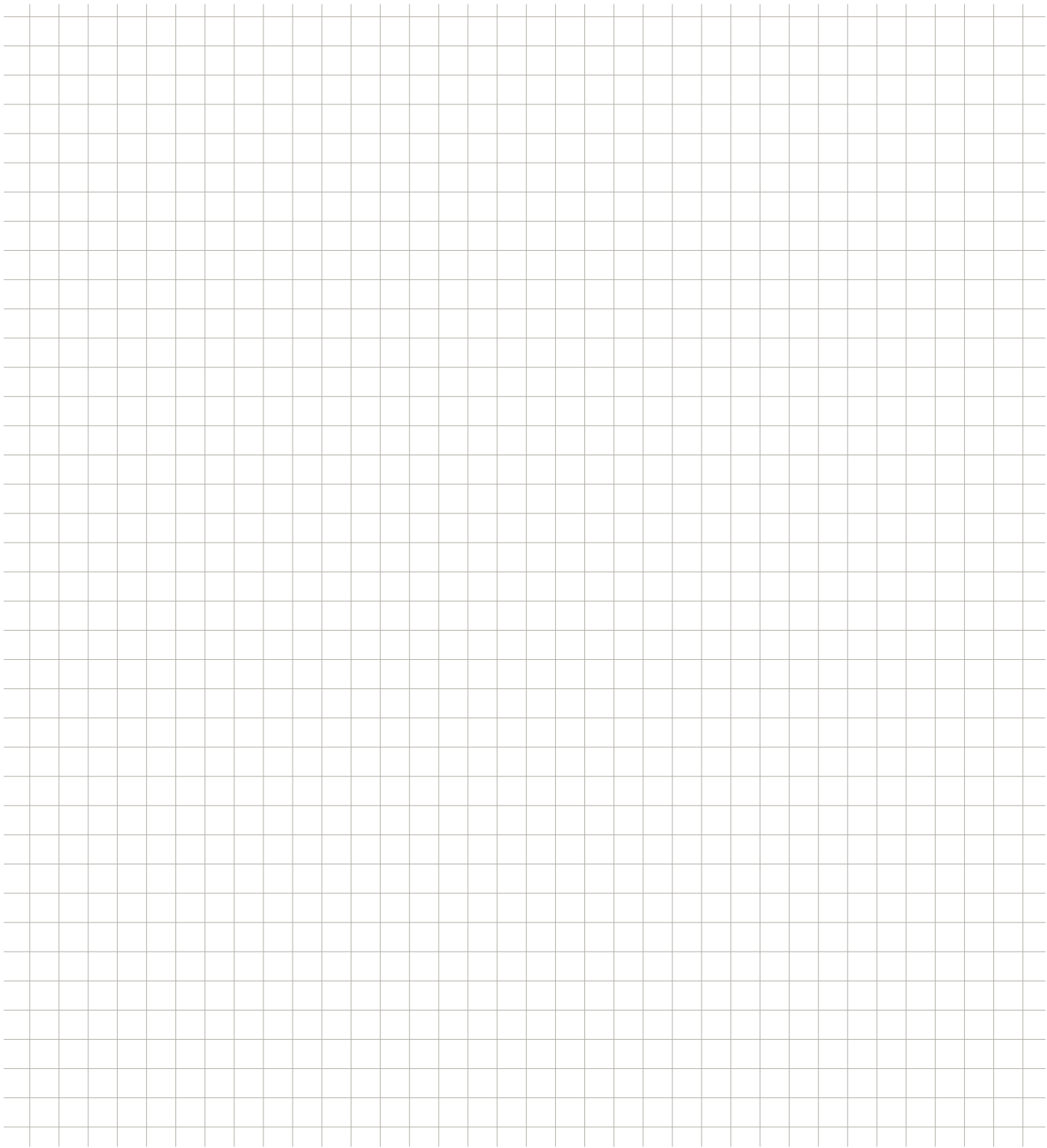
- 1. Describe the driving rain discharge of the façade.**
- 2. Façades with plaster: Are there any cracks, plaster spalling, paint spalling, hollow layers, algae, salts, moisture damage or execution of drip edges?**



Facades # 3

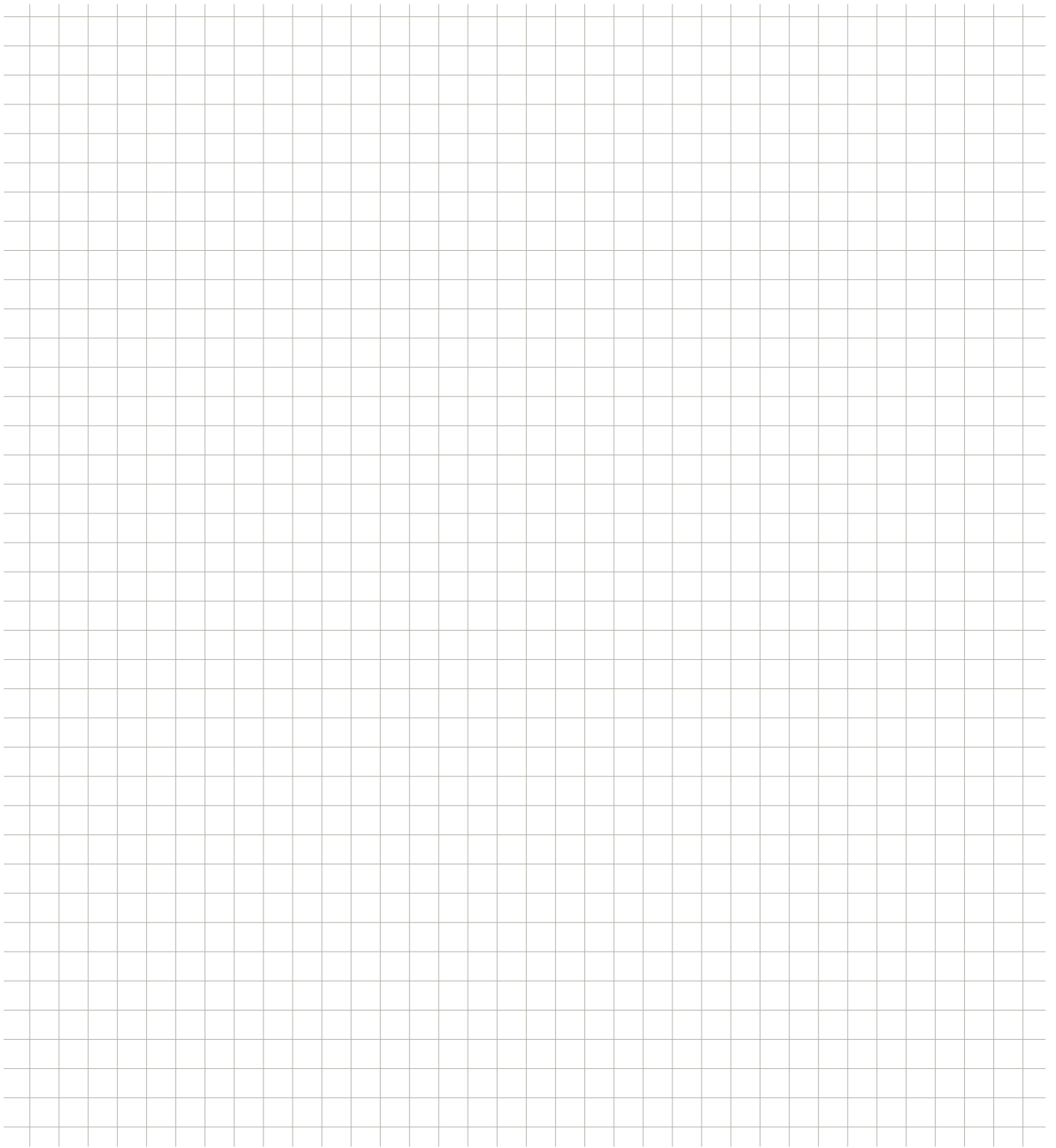
Facades without plaster:

- 1. Describe type and condition of facade brick/clinker (solid brick, perforated brick) including cracks and spalling**
- 2. Are there any missing, defective, washed-out or friable joints?**
- 3. Is there any presence of algae, salts, moisture damage or cracks?**
- 4. Describe the condition of drip edges**



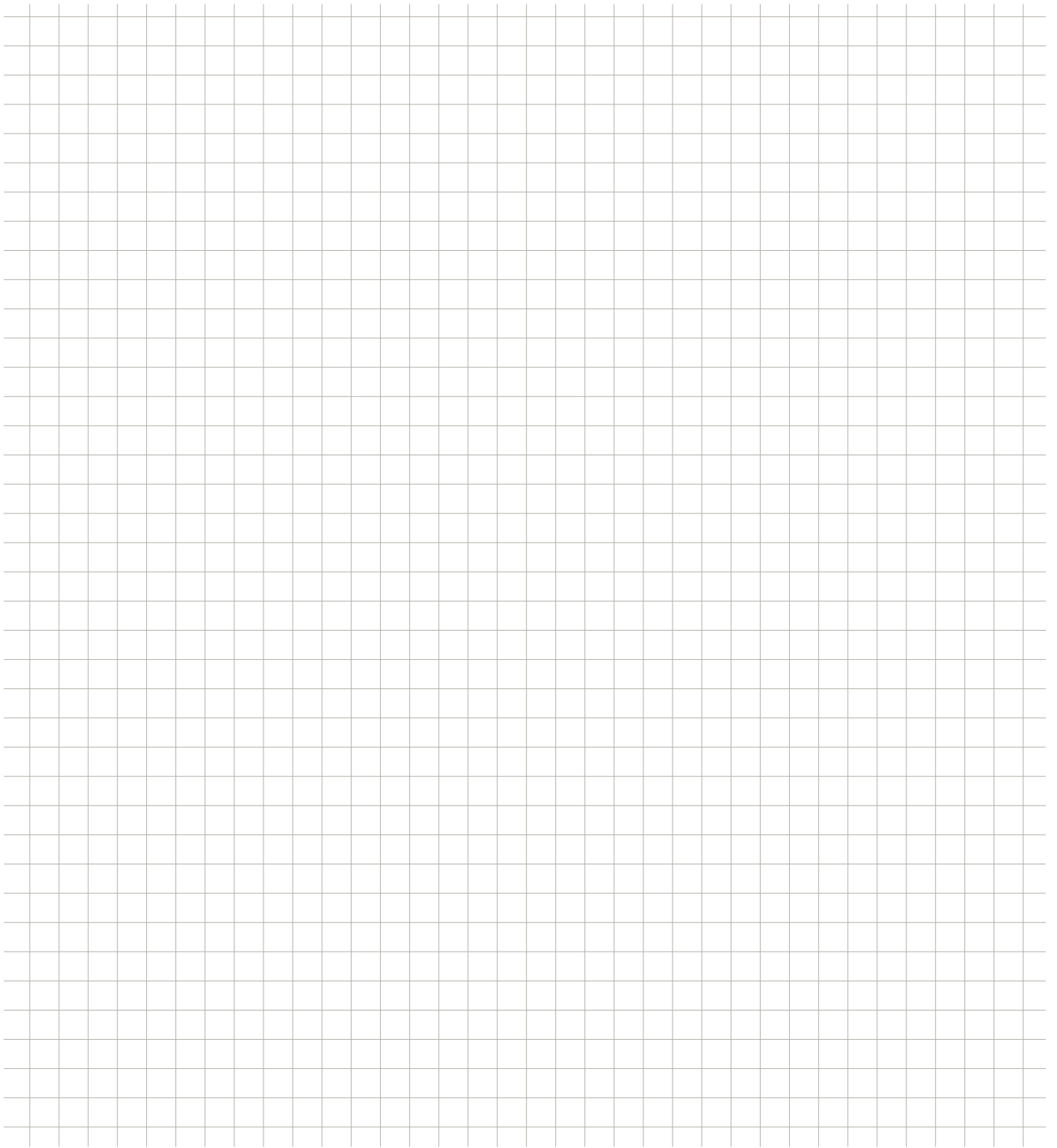
Facades # 4

1. Are there any visible damages due to wear, cracks, corrosion, deformation, or component failure?
2. Is it possible to detect lintels, steel girders or any elements penetrating the façade?
3. What is the former/current use of the projectiles?
4. Are there any visible damages at the inner surface of the façade - such as mould and moisture damage in external wall corners, or at connections between window and wall?
5. Is there any visible graffiti?



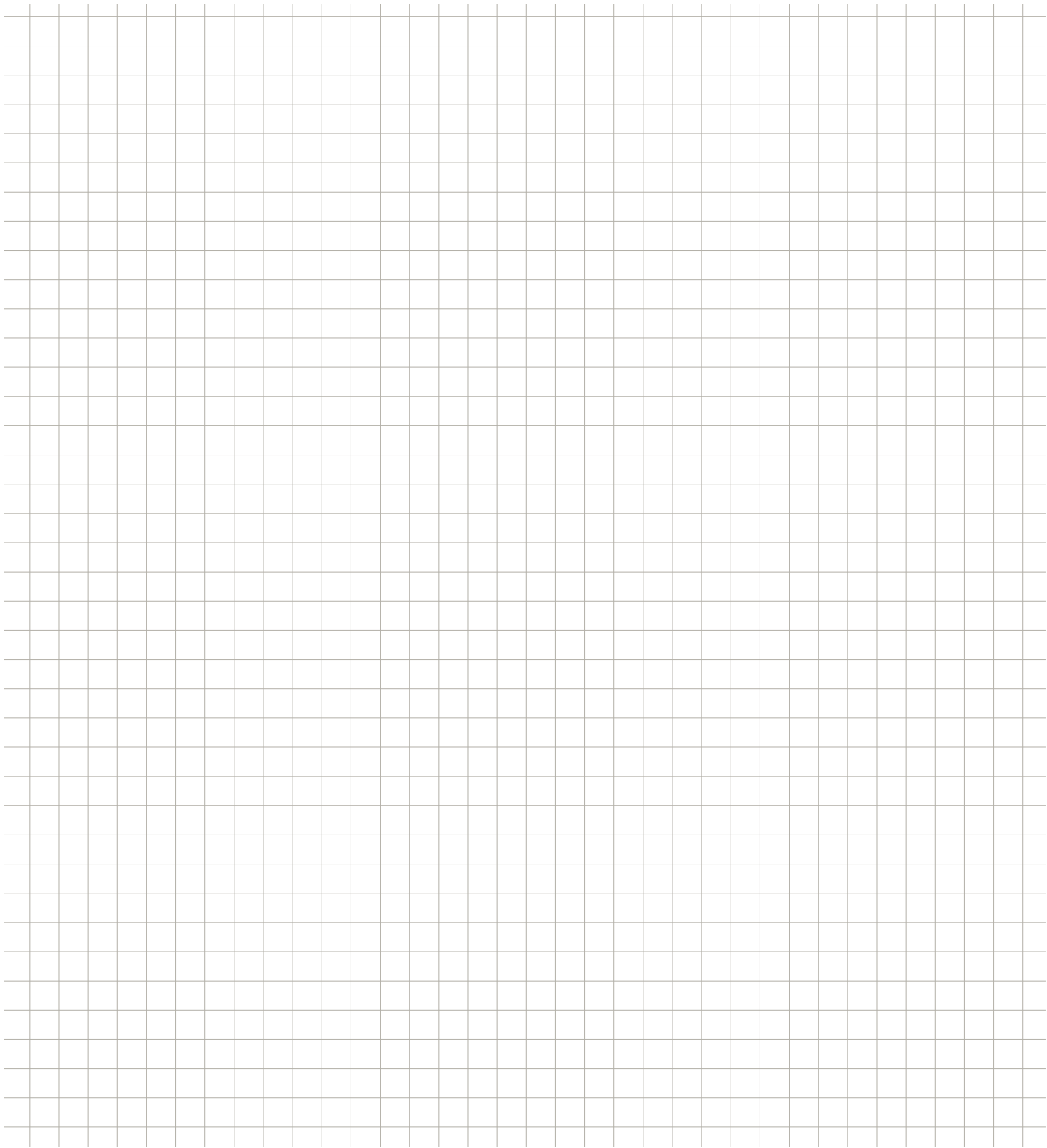
Ground floor

- 1. Are there any moisture damages in the floor area?**
- 2. Note the height of visible sealing levels**



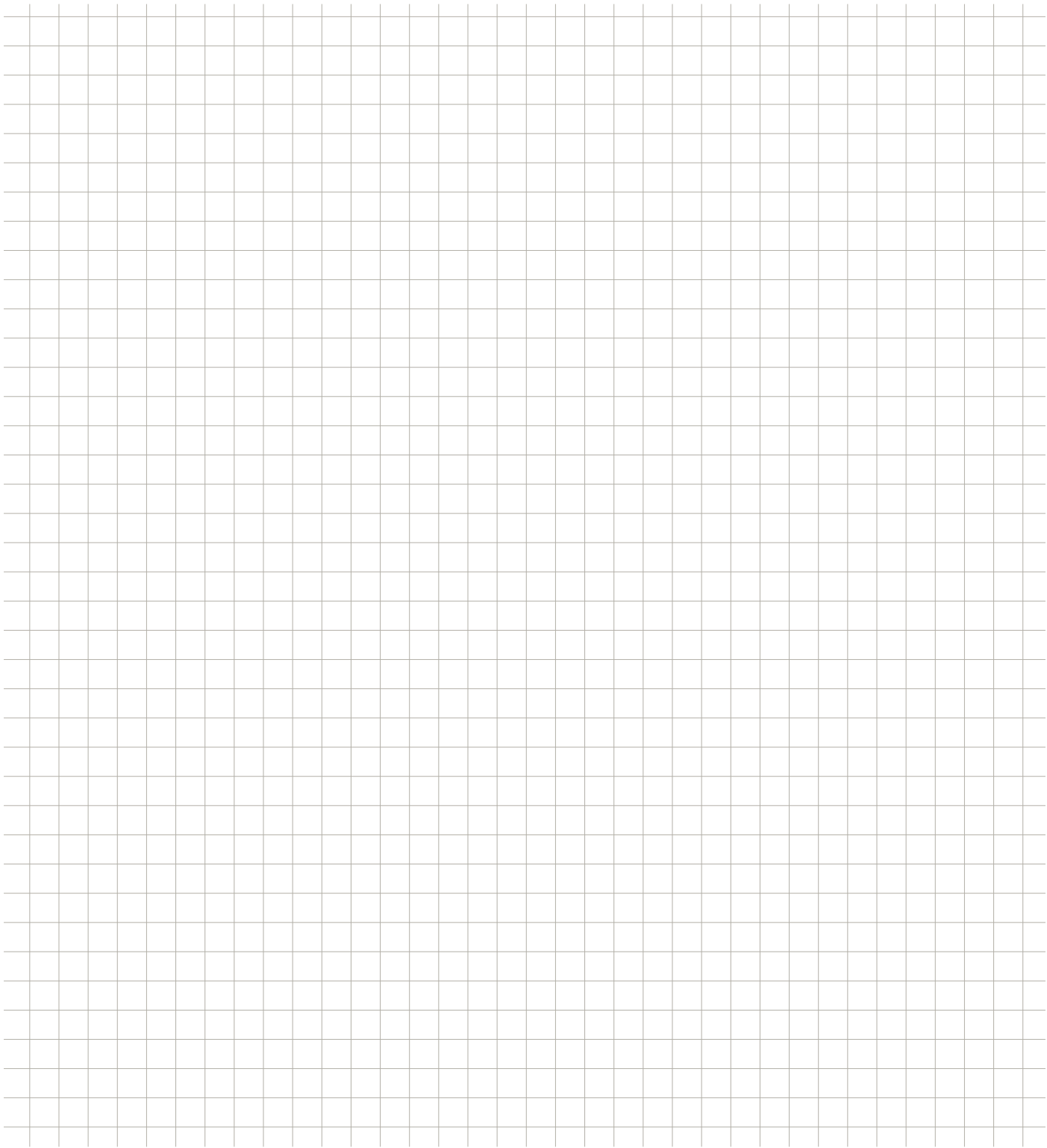
Floor slabs

- 1. Describe the ceiling structures - layers, thicknesses, materials etc.**
- 2. Describe the integration into existing external walls**
- 3. Are there any visible damages on the ceiling construction (e.g. wood rot, corrosion, exposed reinforcement in concrete)?**



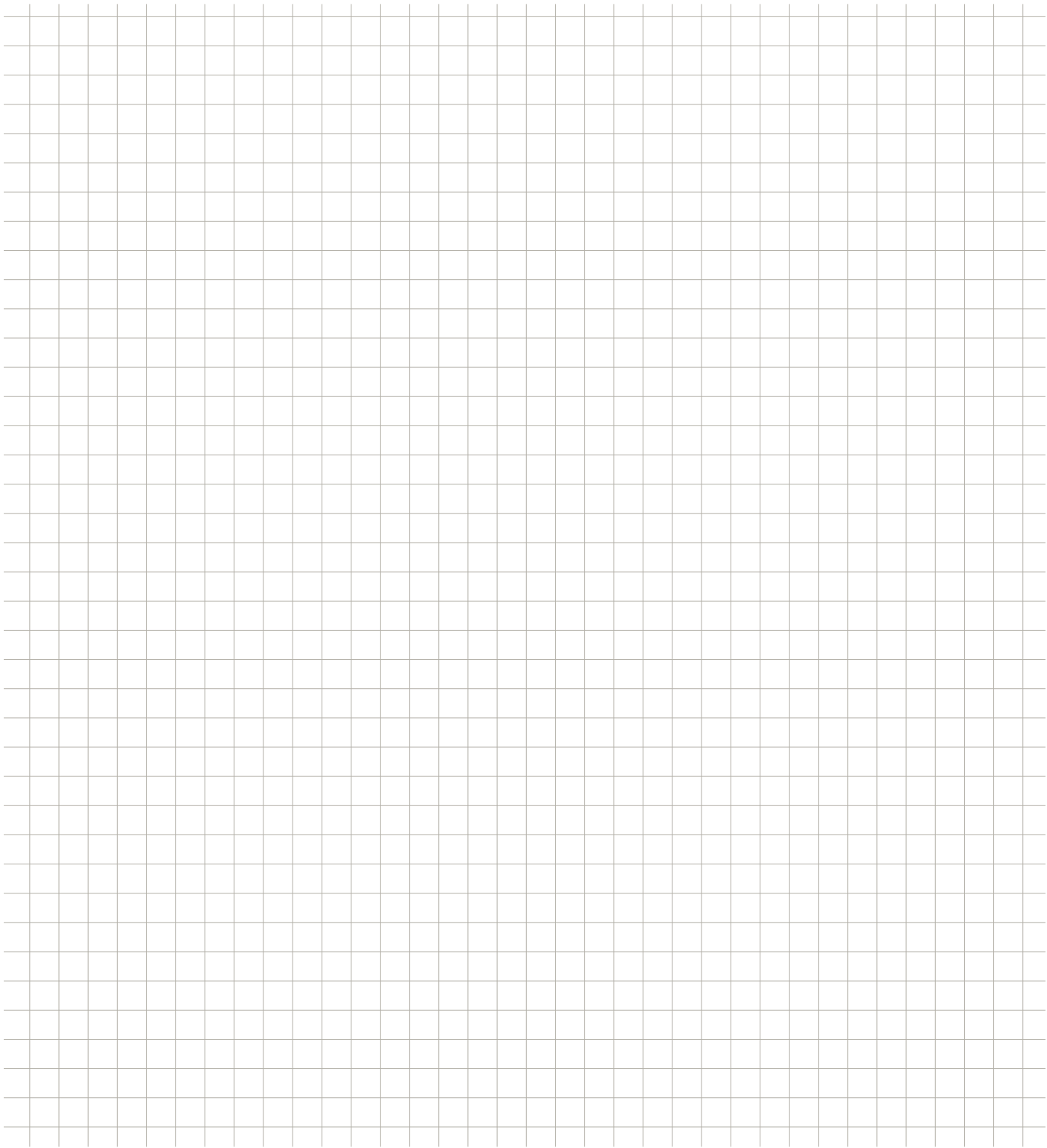
Roof

1. Describe the roof structure (layers, thicknesses, materials)
2. What is the former/current use of the attic floor?
3. Are there any damaged areas on the room side?
4. What is the condition of the roof drainage system (damage to gutters and down pipes, clogged gutters, etc.)?
5. What is the condition of the roof covering, defects and puncture points?
6. What is the type of construction and condition of the dormers?



Climatic boundary conditions

1. How are temperature and humidity levels in the building (especially high humidity loads from use, and condition of ventilation system)?
2. Is the building exposed to additional external moisture sources such as rising damp from the ground (e.g. due to a high groundwater level)
3. Is there a risk of high driving rain load? (e.g. having limited driving rain protection, being a high building, no protection from surrounding buildings, etc.)



Building surroundings

1. Is the building exposed to wind?
2. Does the building have a roof overhang or other constructional protection of the wall?
3. Is the building located close to a forest?
4. Is there any surrounding and façade greening?
5. Is the building exposed to strong shading?
6. Is the building located in a valley?
7. Is the building placed in an exposed position or altitude?

Additional notes

A large grid of graph paper for taking notes. The grid consists of 20 columns and 30 rows of small squares, providing a structured space for writing or drawing.

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A large grid of graph paper, consisting of 20 columns and 30 rows of small squares, intended for taking notes.



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